



*[Signature]*  
Docket No. A063 US

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TECH CENTER 1600/2900  
AUG 16 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jeffrey Browning et al.  
Serial No.: 09/829,031  
Filing Date: April 9, 2001  
For: REVERSAL OF VIRAL-INDUCED SYSTEMIC SHOCK  
AND RESPIRATORY DISTRESS BY BLOCKADE OF  
THE LYMPHOTOXIN BETA PATHWAY

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail addressed to BOX MISSING PARTS, Commissioner for Patents, Washington, D.C. 20231 on the date shown below.

Date: July 23, 2001 Signature: Patricia Hofstetter  
PATRICIA HOFSTETTER

REQUEST FOR CORRECTION OF APPLICATION FILING RECEIPT

The Official Filing Receipt received in connection with the above-identified application shows the title:

Reversal viral-induced systemic shock and respiratory distress by blockade of the lymphotoxin beta pathway

It should read:

Reversal of viral-induced systemic shock and respiratory distress by blockade of the lymphotoxin beta pathway

A copy of the Official Filing as received on May 15, 2001 is enclosed with the requested corrections indicated in red for your review.

Please charge our deposit account 02-2327 for any deficiencies.

Respectfully submitted,

Date: July 23, 2001

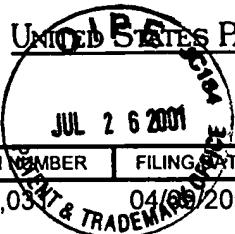
*Niki Cox*  
Niki D. Cox  
Reg. No. 42,446  
BIOGEN, INC.  
14 Cambridge Center  
Cambridge, MA 02142  
(617) 679-2079

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Page 1 of 4

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COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/829,033	04/09/2001	1644	980	A063 US	7	8	2

CONFIRMATION NO. 1334

Niki D. Cox  
BIOGEN, INC.  
14 Cambridge Center  
Cambridge, MA 02143

BIOGEN, INC. - IP DEPT

RECORDED TO  
NOTICE

FILING RECEIPT



\*OC00000006111045\*



Date Mailed: 05/24/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Jeffrey Browning, Brookline, MA;  
Maryann Puglielli, Alexandria, VA;  
Rafi Ahmed, Atlanta, GA;

**Domestic Priority data as claimed by applicant**

THIS APPLICATION IS A CON OF PCT/US99/23477 10/08/1999  
AND CLAIMS BENEFIT OF 60/103,662 10/09/1998

**Foreign Applications**

If Required, Foreign Filing License Granted 05/23/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

- - of --

Reversal/viral-induced systemic shock and respiratory distress by blockade of the lymphotoxin beta pathway

Preliminary Class

424

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Data entry by : TADESSE, ETAGEAN

Team : OIPE

Date: 05/24/2001

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

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**PLEASE NOTE the following information about the Filing Receipt:**

- o The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- o The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- o The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- o The docket number allows a maximum of 25 characters.
- o If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- o The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

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Office of Initial Patent Examination  
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Washington, DC 20231



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Approved for use through 09/30/2000. GMB 0651-0031

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TO 0651-0031 +

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/829,031
		Filing Date	April 9, 2001
		First Named Inventor	Jeffrey Browning
		Group Art Unit	Not Assigned
		Examiner Name	Not Assigned
Total Number of Pages in This Submission	13	Attorney Docket Number	A063 US

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Declaration (signed) (5 pages) Copy of Notice to File Missing Parts
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Request to Correct Filing Receipt Copy of Filing Receipt Certificate of Mailing
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application	<input type="checkbox"/> Remarks	
<input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Biogen, Inc., Niki D. Cox, Ph.D., Reg. No. 42,446
Signature	
Date	July 23, 2001

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: July 23, 2001

Typed or printed name	Patricia Hofstetter
Signature	
Date	July 23, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/17 (09-00)Approved for use through 04/30/2002 GPO: 2001-00000-00000  
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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 130)

Complete if Known	
Application Number	09/829.031
Filing Date	April 9, 2001
First Named Inventor	Jeffrey Browning
Examiner Name	Not Assigned
Group Art Unit	Not Assigned
Attorney Docket No.	A063 US

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	02-2327
Deposit Account Name	

Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.  
See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
<b>SUBTOTAL (1) (\$)</b>				0	

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
8	-20** =	0 X 0 =	0
2	- 3** =	0 X 0 =	0
		0 =	0

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2) (\$)</b>				0

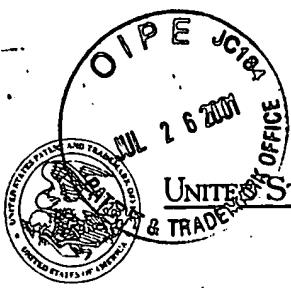
\*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES	Fee Description	Fee Paid
105	130 205 65 Surcharge - late filing fee or oath	130
127	50 227 25 Surcharge - late provisional filing fee or cover sheet	
139	130 139 130 Non-English specification	
147	2,520 147 2,520 For filing a request for ex parte reexamination	
112	920* 112 920* Requesting publication of SIR prior to Examiner action	
113	1,840* 113 1,840* Requesting publication of SIR after Examiner action	
115	110 215 55 Extension for reply within first month	
116	390 216 195 Extension for reply within second month	
117	890 217 445 Extension for reply within third month	
118	1,390 218 695 Extension for reply within fourth month	
128	1,890 228 945 Extension for reply within fifth month	
119	310 219 155 Notice of Appeal	
120	310 220 155 Filing a brief in support of an appeal	
121	270 221 135 Request for oral hearing	
138	1,510 138 1,510 Petition to institute a public use proceeding	
140	110 240 55 Petition to revive - unavoidable	
141	1,240 241 620 Petition to revive - unintentional	
142	1,240 242 620 Utility issue fee (or reissue)	
143	440 243 220 Design issue fee	
144	600 244 300 Plant issue fee	
122	130 122 130 Petitions to the Commissioner	
123	50 123 50 Petitions related to provisional applications	
126	240 126 240 Submission of Information Disclosure Stmt	
581	40 581 40 Recording each patent assignment per property (times number of properties)	
146	710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710 249 355 For each additional invention to be examined (37 CFR § 1.129(b))	
179	710 279 355 Request for Continued Examination (RCE)	
169	900 169 900 Request for expedited examination of a design application	
Other fee (specify) _____		
Reduced by Basic Filing Fee Paid		
<b>SUBTOTAL (3) (\$)</b>		
130		

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	Niki D. Cox, Ph.D.	Registration No. (Attorney/Agent)	42,446	Telephone (617) 679-2079
Signature	<i>Niki D. Cox</i>	Date	7/23/01	

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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/829,031	04/09/2001	Jeffrey Browning	A063 US

CONFIRMATION NO. 1334

## FORMALITIES LETTER



\*OC000000006111046\*

Niki D. Cox  
BIOGEN, INC.  
14 Cambridge Center  
Cambridge, MA 02143

Date Mailed: 05/24/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

## FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- o The oath or declaration is unsigned.
- o To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- o The balance due by applicant is \$ 130.

*P T*  
*A copy of this notice MUST be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

05/01/2001 AUCNDAF1 00000012 022327 09829031

01 FG105 130.00 CH

REMINDER <u>04 JUNE 2001</u>
ACTION DUE <u>24 JUNE 2001</u>
END OF STAT <u>24 DECEMBER 2001</u>